

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Kang-Wook Park

Serial No.: To Be Assigned

Filed: Concurrently Herewith

For: BIPOLAR JUNCTIONS TRANSISTORS HAVING TRENCH-BASED BASE  
ELECTRODES AND METHODS OF FORMING SAME

Date: July 23, 2001

BOX PATENT APPLICATION

Commissioner for Patents

Washington, DC 20231

**PRELIMINARY AMENDMENT**

Dear Sirs:

Please enter the following Preliminary Amendment before examining the present application.

**In the Title:**

Please delete the title in all occurrences and substitute the following title therefor:  
-- BIPOLAR JUNCTION TRANSISTORS HAVING TRENCH-BASED BASE  
ELECTRODES --.

**In the Specification:**

At page 1, under Related Application heading, please insert the following paragraph:

This application is a divisional of U.S. Patent Application No. 09/425,812, filed October 25, 1999, now U.S. Patent No. \_\_\_\_\_, the disclosure of which is hereby incorporated herein by reference.

**In the Claims:**

Please cancel Claims 10-26.

Please add the following Claims 27-28:

27. (New) A bipolar junction transistor, comprising:

an electrically insulating layer on a surface of a semiconductor substrate having an intrinsic collector region of first conductivity type therein, said electrically insulating layer comprising a composite of a first electrically insulating material layer and a second electrically insulating material layer on the first electrically insulating material layer and having a lateral recess therein that extends along an undersurface of the second electrically insulating material layer;

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